

FINISHING OPTIONS OVERVIEW

AIREX® PET FOAMS | USA

issue 10.2025, replaces 02.2025

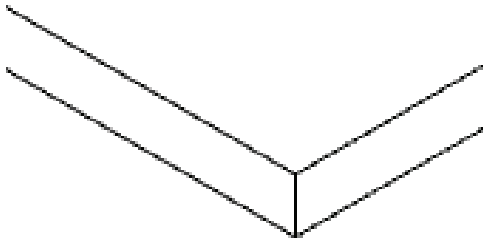
AIREX® structural foam core material

- / AIREX® SealX (SX)
- / FlexiCut / DoubleCut (FC / DC)
- / ContourKore SealX (CK SX)
- / ContourKore with scrim cloth (CK)
- / Single Cut (SC)
- / Cross Cut (CC)
- / Grooved (G)
- / Perforated (P20 / P40)
- / Aligned grooved and perforated (G20 / P40)
- / Precision Thickness (PT)

Rating of Finishing Options regarding specific requirements

most suitable ●●● suitable ●● ok ●

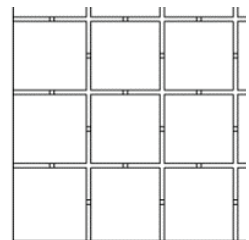
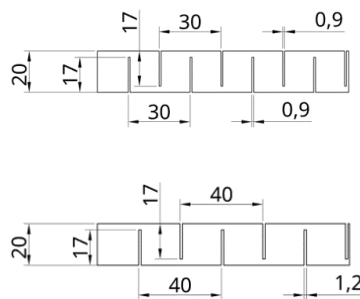
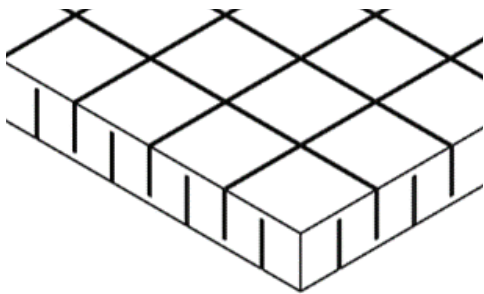
AIREX® SealX surface treatment (SX)



- / surface sealing for AIREX® T92.100 and T92.80
- / considerable reduction of resin uptake in infusion processes

Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
SX	...		

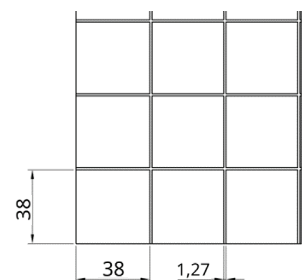
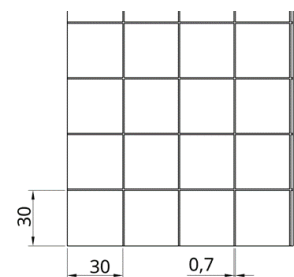
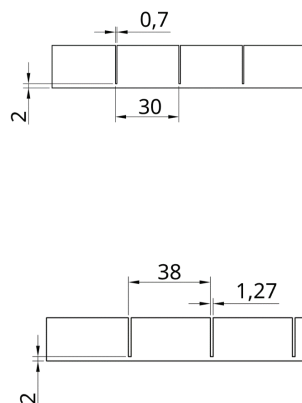
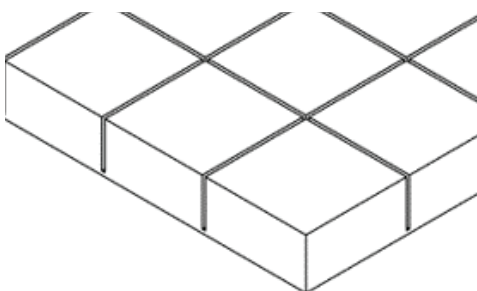
FlexiCut / DoubleCut (FC/DC)



- / 30 x 30 mm cross-grooves 0.9 mm both sides. Offset 15 mm both sides. Max. thickness 25 mm.
- / 40 x 40 mm cross-grooves 1.2 mm both sides. Offset 15 mm both sides. For sheets thicker than 25 mm
- / max. thickness is 50 mm, all densities
- / kerf depth 60% of thickness

Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
FC / DC	..	..	...

ContourKore scrim SealX



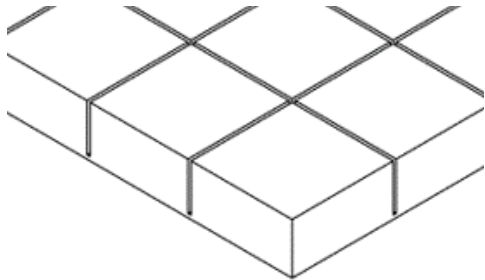
- / 30 x 30 mm pattern with 0.7 mm (+/- 0.2 mm) kerf width (saw cut) for thicknesses under 25 mm
- / 38 x 38 mm pattern with 1.27 mm kerf width for sheets thicker than 25 mm
- / cutting down almost to bottom
- / max. thickness 50 mm
- / available for 80 and 100 kg/m³ densities

Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
CK SX	...	..	...

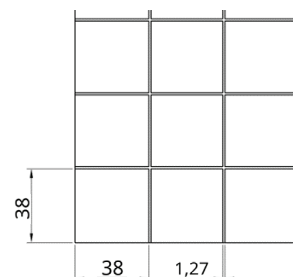
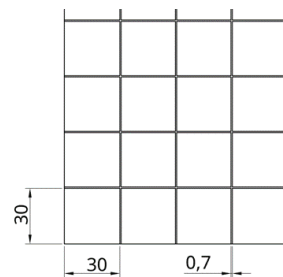
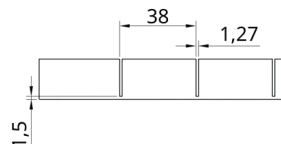
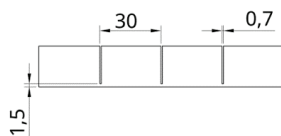
Notes: - Limitations of availability may apply for specific products, densities or thicknesses.

- Values are in nominal format. Please reach out to us for detailed tolerances, available and alternative options.

ContourKore with scrim cloth (CK)

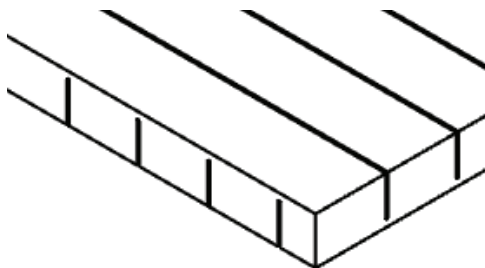


- / 30 x 30 mm pattern with 0.7 mm (+/- 0.2 mm) kerf width (saw cut) for thicknesses under 25 mm
- / 38 x 38 mm pattern with 1.27 mm kerf width for sheets thicker than 25 mm
- / max. thickness 50 mm

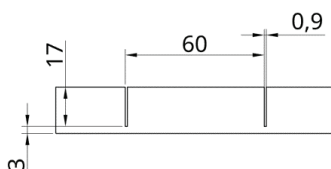
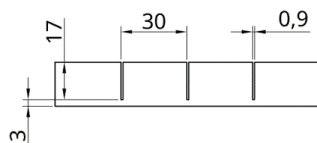


	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
CK	...	...	..	...

Single Cut (SC)

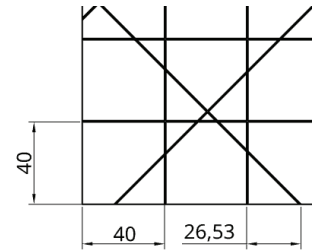
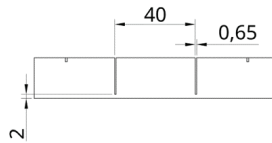
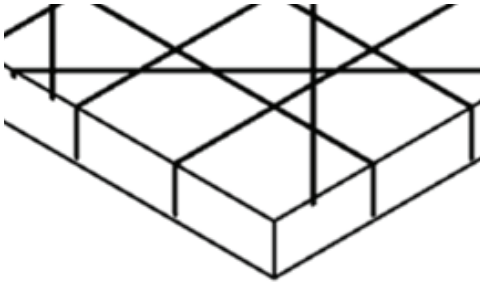


- / grooved both sides (opposite direction)
- / groove depth 85% of thickness
- / groove distance 30 mm for thicknesses under 25 mm, kerf width 0.9 mm, groove offset 15 mm
- / groove distance 60 mm for thicknesses under 25 mm, kerf width 0.9 mm, groove offset 30 mm
- / max. 50 mm thickness



	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
S		...	..	..

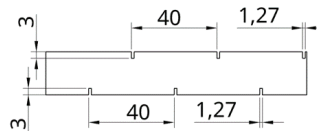
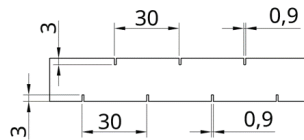
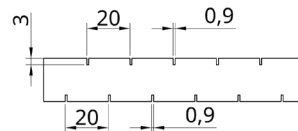
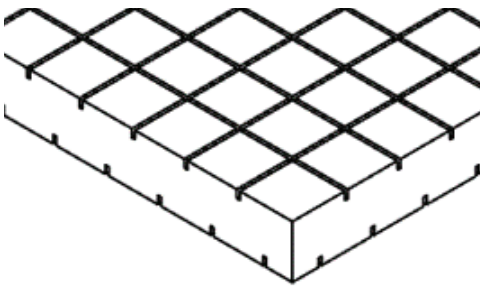
Cross Cut (CC)



- / ContourKore, knife cut
- / plus diagonal cuts across the sheet (45°)
- / kerf width approx. 0.65 mm
- / diagonal kerf spacing 75 mm
- / limited product densities and thickness range

	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
CC	...	...	..	...

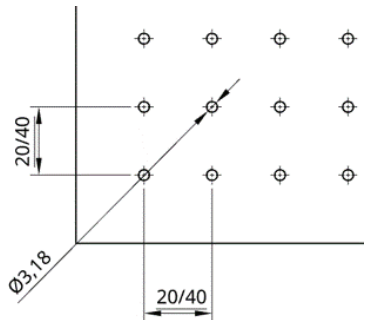
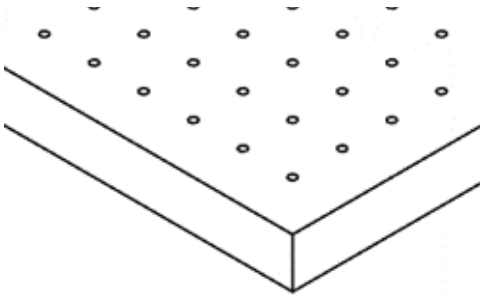
Grooved (G)



- / parallel or crosswise grooves
- / one or both sides
- / 19 x 19 mm cross grooves 0.9 mm both sides
- / 30 x 30 mm cross grooves 0.9 mm both sides
- / 40 x 40 mm cross grooves 1.27 mm both sides
- / max. 50 mm thickness, all densities
- / groove depth approx. 1.5 mm

	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
G	...	...	..	..

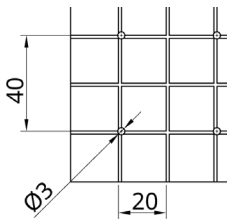
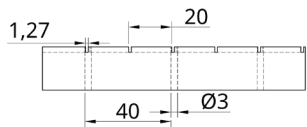
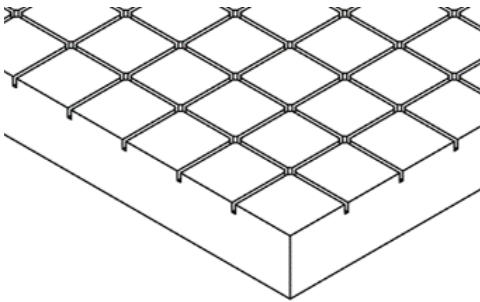
Perforated (P20 / P40)



- / P20 or P40 perforation patterns
- / holes of 3.18 mm diameter
- / max. 50 mm thickness

	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
P		...	..	...

Aligned grooved and perforated (G20 P40)

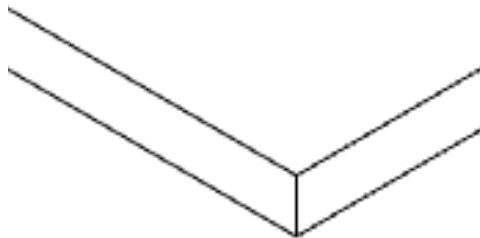


Aligned G20 P40

- / cross grooves 20 x 20 mm on one side
- / holes of 3.18 mm diameter in every second intersections
- / max. 50 mm thickness

	Sheet flexibility	Resin uptake	Promotes resin flow in infusion	Laminate surface quality
G20 P40		...	..	...

Precision Thickness (PT)



- / improved thickness tolerance of sheet:
- / PT02: +0.2 / -0.4 mm (0.6 mm range)